CONTROL COUTHsmartbox

- **Cutting-edge modular** control unit to control **COUTH®** dot-peen and scribe marking units.

ADVANTAGES

- **Increased power for COUTH®** marking units, 15-20%, providing greater marking depth and/or speed, thanks to more advanced electronics.
- **Autonomous control system**, does not require PC to operate.
- Connection **available for main communication protocols** (Profibus, Profinet, Ethernet/IP, etc.).
- **Possibility of remote connection.**
- **Simplified encasing design. Simple and optimised cover assembly and disassembly.**
- Reception of **diagnostics** in PLCs **made** by the **COUTHsmartbox** control unit.
- **Removeable and interchangeable screen**, easy to place.
- **Colour user interface, more intuitive.**
- **Interchangeable with existing hardware.**

COUTHsmartbox

CHARACTERISTICS

- Adjustable marking speed and depth.
- 11 input signals and 7 output signals that can be programmed for connection with controller.
- Marking on straight, tilted, arc and mirror lines.
- Marking sequential numbers and repetitions, shifts, hour, date, week, etc.
- Marking logotypes and special characters from vectoral archives, DXF, DWG and PLT/HPGL.
- Marking DATAMATRIX™ codes, both square and rectangular, as well as QR codes.
- Possibility of using and creating any font type requested by the client.
- Compression, expansion and spacing between characters, cursive and density of marking can all be adjusted.
- 40-line files and 75-character line.
- Possibility of storing up to 10,000 marking files.
- Provides for operation in PC or controller slave mode.
- Serial connection RS 232, Ethernet built-in. Available: PROFIBUS, PROFINET, and Ethernet/IP.
- Possibility of connection with external keyboard, mouse and USB.
- Option of connecting machines with encoders combined with motors.
- Possibility of connecting with bar code and DATAMATRIX™ readers.
- Possibility of connecting with plate feeder, rotation devices, motorised columns, etc.
- Multi-language interface.
- Power voltage 110/220V; 50/60Hz.
- Option for front panel with standard 19" rack.
- European CE and UL Standards.

ACCESSORIES

The COUTHsmartbox control unit can be programmed in different ways:

COUTHremoteHMI for Windows®

This is the benchtop application to remotely operate COUTHsmartbox control units from a PC.

With COUTHremote HMI for Windows®, you can operate COUTHsmartbox control units that are connected to the same Ethernet network as the device where the benchtop application is being executed, handling the control just like if you had one of the physical displays.

It is as easy as connecting the COUTHsmartbox control unit through the Ethernet connector to the same network as the PC you are going to use to execute the COUTHremoteHMI application for Windows®.

COUTHremoteHMI for Android®

COUTHRemoteHMI is the Android application for you to access the COUTHsmartbox control unit to control the **COUTH®** dot-peen and scribe marking units from your tablet.

HMI screen, 7" + built-in keyboard

HMI 10" touchscreen

HMI

User interface, optional, interchangeable, and removable.

Available in:

- Keypad: 7" colour screen and built-in keypad
- Touchscreen: 10" colour touchscreen

They both provide a reinforced version with shock-resistant rubber to absorb blows. The USB and RJ45 connectors are leak-tight with threading and an anti-strain system. IP65 protection.

With one single HMI, you can manage multiple COUTHsmartbox control units

INDUSTRIAL COMMUNICATIONS

The COUTHsmartbox control unit has a great set of ports so it can be integrated into any industrial setting and can connect to any PLC in the production plant.

Serial equipped with:

- AUTOMAT OUTPUT connector with 7 outputs
- AUTOMAT INPUT connector with 11 independent+24 V c.c. inputs
- Ethernet TCP/IP connector
- RS232 connector

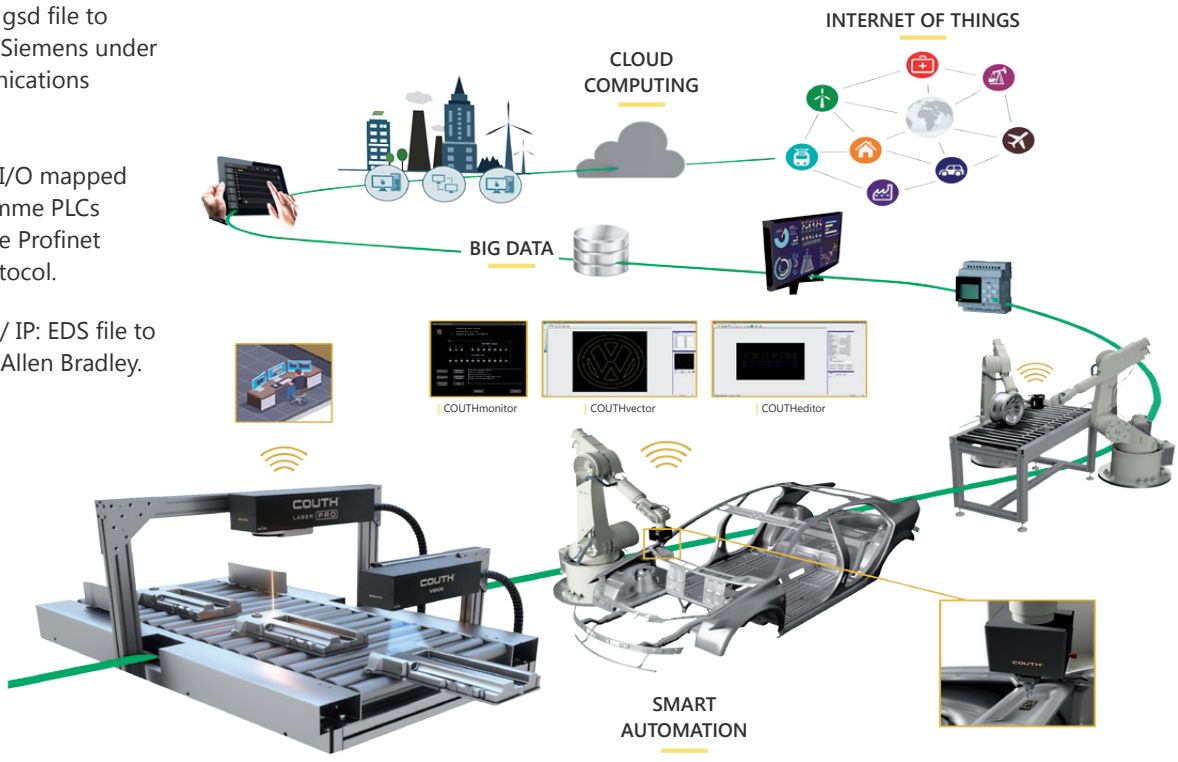
Optional purchase:

- Profibus communications module
- Profinet communications module
- Ethernet/IP communications module

COUTHLINK

These are the different files that provide PLC programming to manage the COUTHsmartbox control unit.

- COUTHlink Profibus: gsd file to programme PLCs by Siemens under the Profibus communications protocol.
- COUTHlink Profinet: I/O mapped gsdml file to programme PLCs by Siemens under the Profinet communications protocol.
- COUTHlink Ethernet / IP: EDS file to programme PLCs by Allen Bradley.



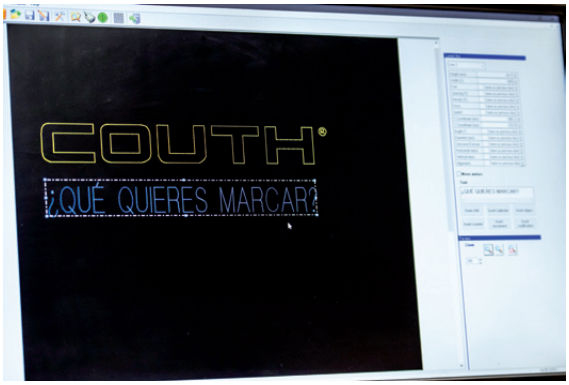
COUTH SOFTWARE SUITE

Windows

COUTHvector

The **COUTH**vector logotype generation programme specifically designed by **COUTH®** makes the most of the vector definition marking system.

This software allows the user to quickly and easily create their own logotypes, then transfer them from their PC to the control unit, saving them in the memory for future use.



COUTHedit

COUTHedit is a graphic tool to create and edit marking files for the **COUTH®** control unit.

It allows users to quickly and easily create their own marker files and send them from the PC to the control unit, storing them in its control memory for future use.

You can mark these files from the application, importing marking data from a database, or entering the data manually. You may also modify different general parameters in the control unit and manage its internal memory content.

COUTHmonitor

COUTHmonitor is the benchtop application that allows you to remotely access your COUTHSmartbox control units for monitoring.

With the COUTHmonitor, you can access different COUTHsmartbox units connected to the same Ethernet network as the equipment where the benchtop application is executing. A graphic display shows the general status of the COUTHsmartbox units connected to the network, as well as different information on each one of them:

- Counters.
- Statistics: hours turned on, hours marking, number of markings, time of last marking and number of markings per hour.
- Name of active marking file.
- Marking text.
- List of stored marking files.
- IOs.